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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/728451
Filing Date	December 5, 2003
First Named Inventor	Roy E. Scheuerlein
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	MA-112
Total Number of Pages in This Submission	6

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Postcard;
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	1449A form (1 pg);
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	Reference (2pgs)
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	MATRIX SEMICONDUCTOR Pamela J. Squyres, Reg. No. 52246
Signature	
Date	March 3, 2004

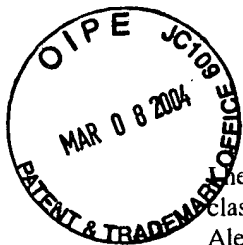
**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Pamela J. Squyres
Signature	
Date	March 3, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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March 3 2004

Date of Deposit

Pamela J. Squires

Name (printed)

Signature

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Roy E. Scheuerlein et al.

Application No.: 10/728451

Filed: December 5, 2003

Title: High Density Contact to Relaxed

Geometry Layers

Attorney Docket No.: MA-112

Group Art Unit: Unknown

Examiner: Unassigned

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

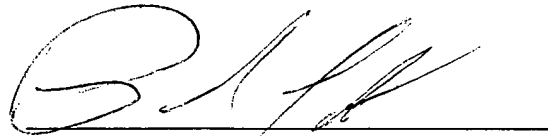
Dear Sir or Madam,

Pursuant to the obligation under 37 CFR § 1.56 and in conformance with 37 CFR §§ 1.97-1.99, Applicants hereby submit attached form PTO-1449A/PTO listing reference A1-A7 for consideration by the Examiner. A copy of the A7 non-patent reference is enclosed herewith. Applicants request that the Examiner review the entire disclosure of these documents and make them of record.

The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 CFR §1.56(b). Further Applicants reserve the right to contest that any of the information submitted herewith is prior art against the present application.

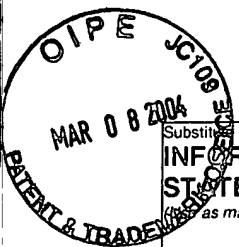
Dated: March 3, 2004

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'P. Squyres', is written over a horizontal line.

Pamela J. Squyres  
Agent for Applicants  
Reg. No. 52,246

Pamela J. Squyres  
Matrix Semiconductor  
3230 Scott Blvd  
Santa Clara, CA 95054  
Tel. 408-869-2921



Substitute for form 1449A/PTO  
**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)

Complete if Known

Application Number	10/728451
Filing Date	December 5, 2003
First Named Inventor	Scheuerlein, Roy
Group Art Unit	Unknown
Examiner Name	Unknown

Sheet 1 of 1

Attorney Docket No: MA-112

### US PATENT DOCUMENTS

Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	A1	10/335078		Scheuerlein et al.			12/31/2002
	A2	10/611246		Cleeves			06/30/2003
	A3	5835396	11/10/1998	Zhang			
	A4	6034882	03/07/2000	Johnson et al.			
	A5	6185121	02/06/2001	O'Neill			
	A6	US20020079553A1	06/27/2002	Cleeves			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
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### OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A7	SCHEUERLEIN, ROY.E. , et al. , "A 10ns Read and Write Non-Volatile Memory Array Using a Magnetic Tunnel Junction and FET Switch in each Cell", <u>2000 IEEE International Solid-State Circuits Conference: ISSCC 2000, Feb 8, 2000: Emerging Memory and Device Technologies/Paper TA 7.2, (2/8/2000),128-129</u>	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached